BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to roads and drains in amruthahalli and surrounding area in ward no.07 byatarayanapura.

Estimated Cost:- ~~20.00~~ 15.00 Lakhs

Name of Work:- Improvements to roads and drains in amruthahalli and surrounding area in ward no.07 byatarayanapura. Estimated Cost:- 15.00 Lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	130.00						
	Area Weightage @ 6%		7.80						
	Total		137.80						
	Hoysala layout main road		**1.00**	147.00	0.90	0.90	119.07		
	Cross road		**1.00**	60.00	0.90	0.90	48.60		
	CC Pavements		1.00	50.00	3.00	0.30	45.00		
	Over burden earth		1.00	85.00	1.00	0.70	59.50		
					TOTAL		272.17	137.8	37506.00
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration inlcuding curing for 14 days including cost of all materials labour, HOM curing, form works, scaffolding and centering complete as per specification . (Pg.No.222, It.27.18)								
	Basic Rate:	cum	5115.00						
	4.4*(349.0-245.31)		456.24						
	Sub total		5571.24						
	Area Weightage @ 6%		334.27						
	Total		**5905.51**						
	RCC DRAIN- BOTTOM		1.00	147.00	0.90	0.15	19.85		
			1.00	60.00	0.90	0.15	8.10		
	CC Pavements		**1.00**	50.00	3.00	0.15	22.50		
					TOTAL		**50.45**	5905.51	297904.00

3	Providing and laying in plain reinforced cement concrete mix 1:2:4 with OPC @ 240 kgs, with 40 mm and down size graded granite matel coarse aggregates @ 0.84 cum and fine aggragtes @ 0.56cum, in pen foundations including including cost of all materials, labour HOM machinery form works scaffolding and centering complete as per sprcifications complete as per drawing anf techinal specifications. Pg No.222, It No.27.24)								
	Basic Rate:	cum	5103.00						
	4.8*(349.0-245.31)		497.71						
	Sub total		5600.71						
	Area Weightage @ 6%		336.04						
	Total		**5936.75**						
	Bottom								
	Hoysala layout main road		1	50.00	0.90	0.15	6.75		
	Cross road		1	60.00	0.90	0.15	8.10		
	Side Wall								
	Hoysala layout main road	1*2	2	50.00	0.15	0.60	9.00		
	Cross road		2	60.00	0.15	0.60	10.80		
							34.65	**5936.75**	**205709.00**
4	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.28.8.2, Item No.229)								
	Basic Rate:	Tonne	85,468.00						
	Area Weightage @ 6%		5128.08						
	Total		90,596.08						
	Reinforcement for side wall						34.65		
	At 50 Kg % per cum						**1.73**	90,596.08	**156958.00**
5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular slabs /side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	SIDE WALL								
	Basic Rate:	Sqm	**456.00**						
	Area Weightage @ 6%		**27.36**						
	Total		**483.36**						
	Hoysala layout main road	1*4	4	50.00		0.60	120.00		
	Cross road		4	60.00		0.60	144.00		
	CC Pavements		2	50.00		0.30	30.00		
							294.00	483.36	**142108.00**

6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	Data Rate	sqm	2337.00						
	Total		2337						
			336	0.6	0.75		151.20		
					TOTAL		151.20	2337.00	353355.00
7	KSRRB M200-5.1: Providing and laying cement concrete of mix 1:2:4 with OPC @ 240 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.63cum and fine aggregates @0.42 cum including cost of materials, labour, HOM curing, form works scaffolding and centering complete as per MORTH section:2200 & IS 456, A) Upto 5mtr height.(Pg No.226, It No.28.7.1)								
	Basic Rate:	cum	5421.00						
	4.8*(349.0-245.31)		497.71						
	Sub total		5918.71						
	Area Weightage @ 6%		355.12						
	Total		6273.83						
	Ramps for drains		1.00	147.00	0.15	0.15	3.31		
			1.00	60.00	0.15	0.15	1.35		
					TOTAL		4.66	6273.83	29221.00
8	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Pg.No.176, It.22.6.1)								
	Basic Rate:	cum	4,916.00						
	7.2*(349.0-245.31)		746.57						
	Sub total		5662.57						
	Area Weightage @ 6%		339.75						
	Total		6002.32						
	CC Pavements		1	50.00	3.0	0.1	15		
					TOTAL		15	6002.32	90035.00

9	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
	Basic Rate	cum	57				272.17	94.34	25677.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10Km		32						
	Total		89						
	Add Area Weightage6%		5.34						
			94.34						
10							Sub Total		1338473.00
11							Add 12% GST charges		160616.76
12							Miscelleneous charges		910.24
13							Total		1500000.00
	1)This is certified that the work spot comes under BBMP limits only.								
	2) The work spot is inspected by me								
	3) The items Provided in the Estimate are quite Essential								
	4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.								
	Asst Engineer		Asst Exe.Engineer				Executive Engineer		
	Ward no.7		Kodigehalli Sub-division				Byatrayanapura Division		
			B.B.M.P.				B.B.M.P.		

Administrative Approval
Accorded For 15.00 Lakhs only
Head of A/C POW
CER NO : 96 Dt: 13/12/22
CE (YNR)

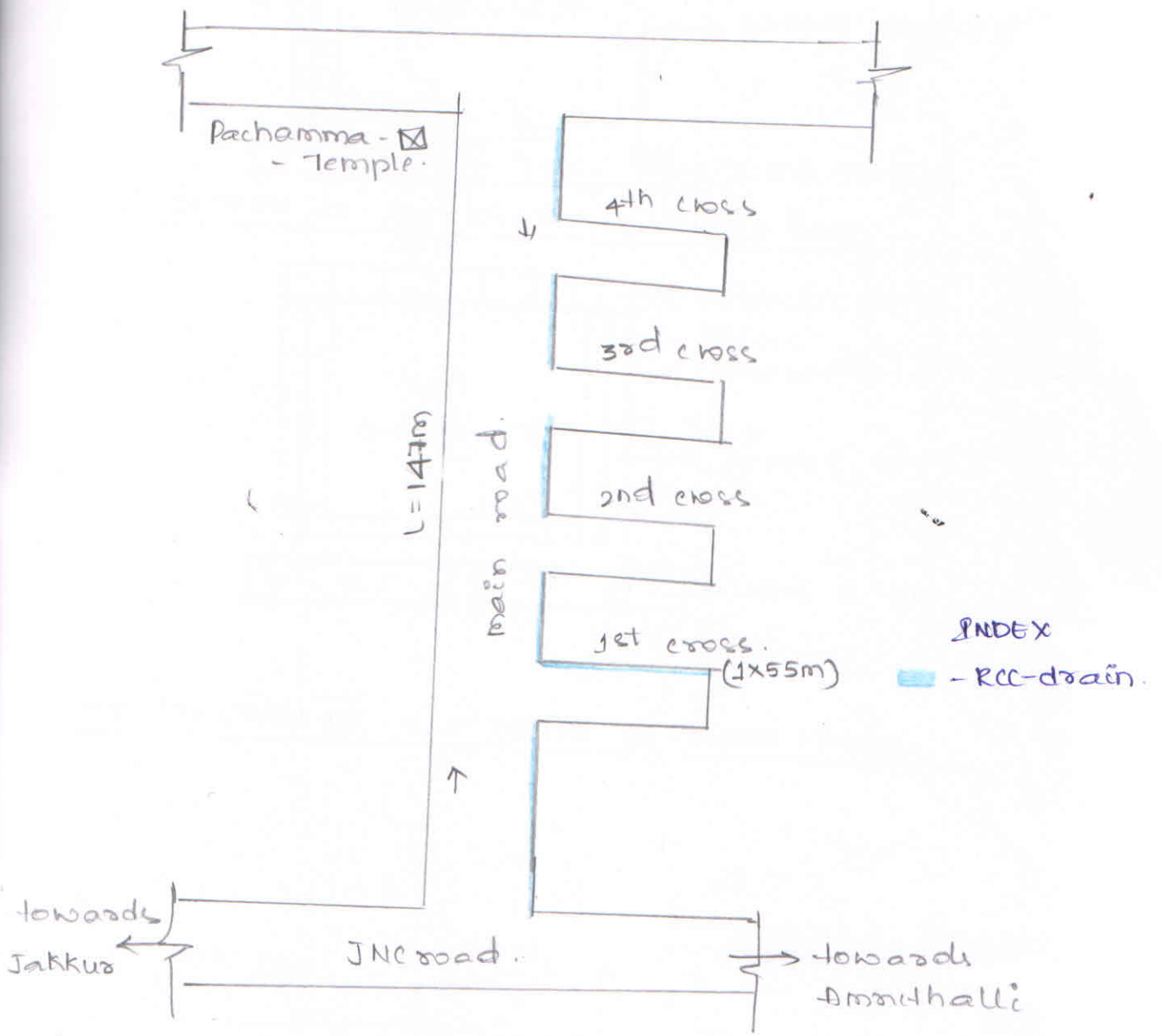
TECHNICAL SANCTION
Accorded For Rs. 15.00 Lakhs only
Head of A/c. POW
Div. Ref. No. 37 Date 16/02/22
AE 16/02
EE(BTP) 16/02

Google Maps Hoysala layout

Ashwathy. N.D
AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements to roads and drains in amruthalli and surrounding area in ward no.07 byatarayanapura.

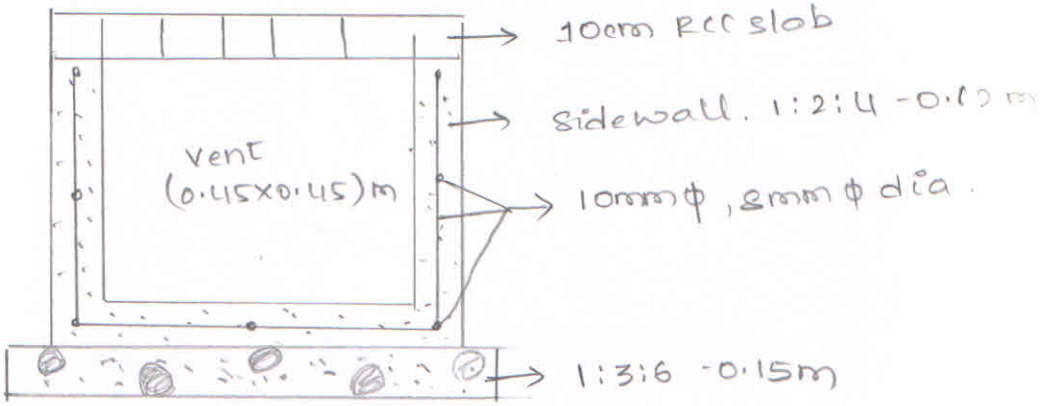


HOYSALA LAYOUT PLAN

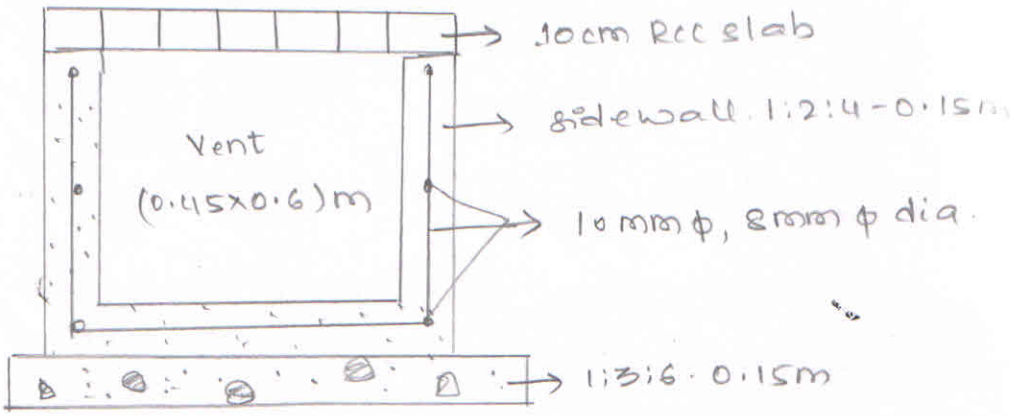
A.N.D
AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

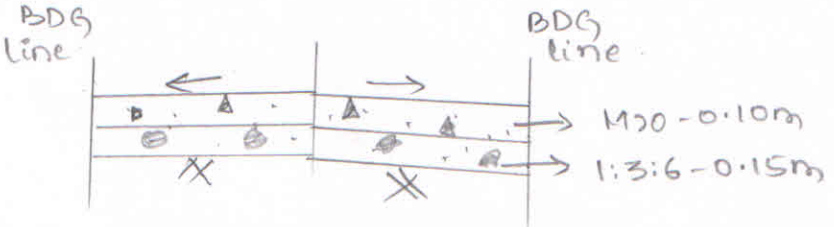
Name of work: Improvements to roads and drains in annathalli and surrounding areas in ward No. 07 - byatarayanapura.



CROSS-SECTION OF RCC-Drain of CROSS ROAD.



CROSS-SECTION OF RCC-DRAIN OF MAIN-ROAD.



CROSS-SECTION OF CC-PAVEMENT.

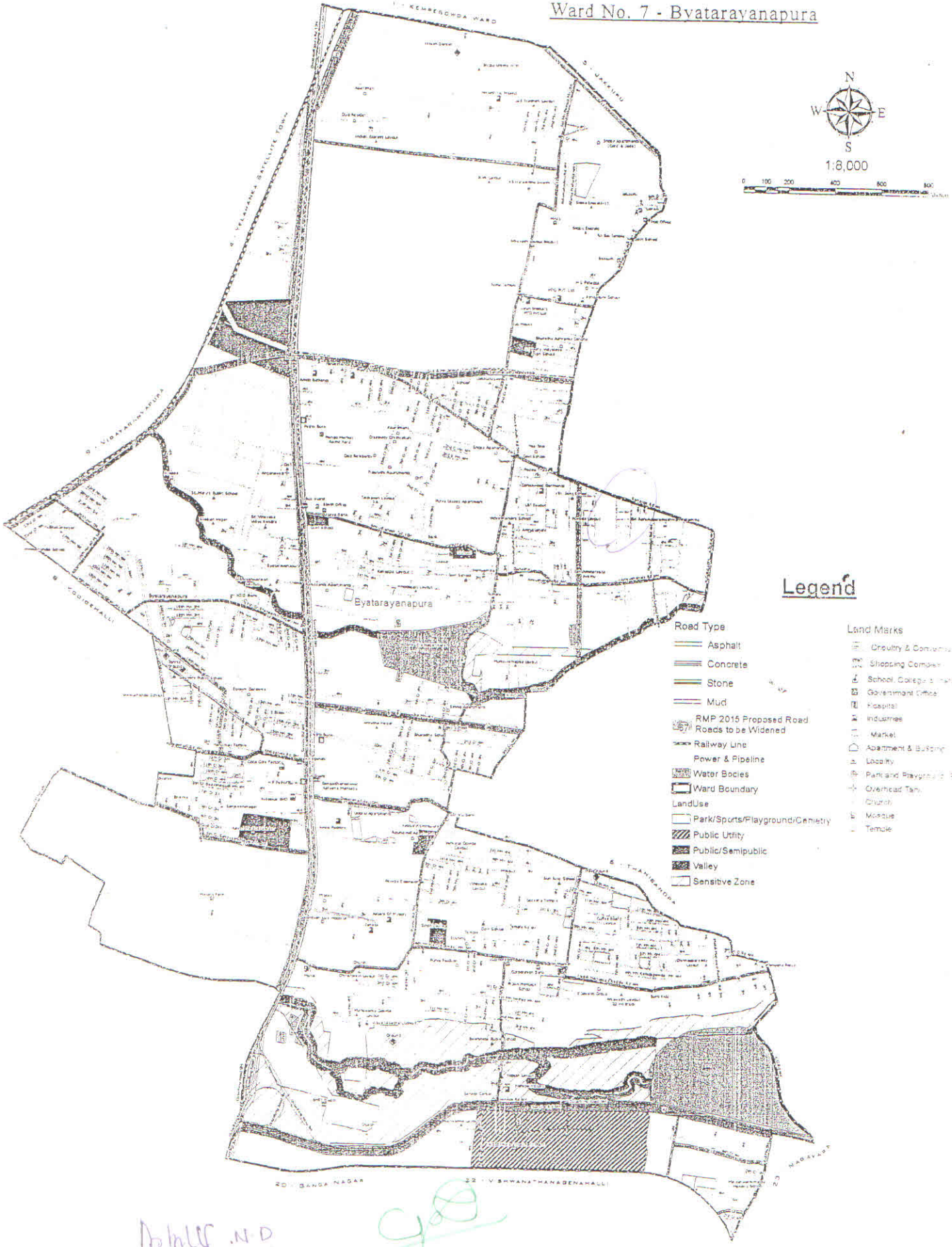
AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

BRUHATH BANGALORE MAHANAGAR PALIKE

Yelahanka Zone - Byatarayanapura Sub-division

Ward No. 7 - Byatarayanapura



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AREA: 9.60 SQ KMS

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಟಿಪ್ಪಣಿ ಹಾಳೆ

ವಿಷಯ: ಆರ್.ಸಿ.ಸಿ ಪ್ರಿ ಕ್ಯಾಸ್ಟ್ ಕವರಿಂಗ್ ಸ್ಲಾಬ್ 10.00 ಎಂ.ಎಂ. ಹಾಗೂ 250.00 ಎಂ.ಎಂ ಅಳವಡಿಸಲು ದರ ಅನುಮೋದನೆ ಪಡೆಯುವ ಬಗ್ಗೆ.

ಪುಟದ ಸಂಖ್ಯೆ -1-

ಕಡತದ ಸಂಖ್ಯೆ

ಪ್ರಸ್ತಾವನೆಯ ಸಂಖ್ಯೆ	ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು

ಮಂಡಿಸಿದ,

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಪಾಲಿಕೆ ವತಿಯಿಂದ ಅಭಿವೃದ್ಧಿ ಕಾಮಗಾರಿಗಳನ್ನು ನಿರ್ವಹಿಸುತ್ತಿದ್ದು, ಕಾಂಕ್ರಿಟ್ ಚರಂಡಿಗಳನ್ನು ನಿರ್ಮಿಸುವ ಸಂದರ್ಭದಲ್ಲಿ ಕಾಂಕ್ರಿಟ್ ಚರಂಡಿಗಳಿಗೆ ಮೊದಲೇ ಅಚ್ಚು (Pre Cast) ಅಚ್ಚು ಹಾಕಿದ ಆರ್.ಸಿ.ಸಿ ಪ್ರಿ ಕ್ಯಾಸ್ಟ್ ಕವರಿಂಗ್ ಸ್ಲಾಬ್ ಅಳವಡಿಸುವುದು ಅತ್ಯವಶ್ಯಕವಾಗಿರುತ್ತದೆ. ಚರಂಡಿಗಳ ಮೇಲೆ ಆರ್.ಸಿ.ಸಿ ಕವರಿಂಗ್ ಸ್ಲಾಬ್ ಅಳವಡಿಸುವ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ಬೆಂಗಳೂರು ವೃತ್ತ ರವರ 2018-19 ನೇ ಸಾಲಿನ ದರಪಟ್ಟಿಯಲ್ಲಿ ದರಗಳಿಲ್ಲದ ಕಾರಣ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆಯ 2018-19 ನೇ ಸಾಲಿನ ಉಕ್ಕಿನ ದರ, ಸಿಮೆಂಟಿಂಗ್ ದರ ಹಾಗೂ ನಿಮೆಂಟ್ ಕಾಂಕ್ರಿಟ್ ಎಂ-20 ದರಗಳನ್ನು ಒಳಗೊಂಡಿರುವ ದರಗಳನ್ನು ಪಡೆದುಕೊಂಡು (ದರ ಪಟ್ಟಿಯನ್ನು ಲಗತ್ತಿಸಿದೆ) ಪ್ರೋಡಿಕರಿನಿ ಒಂದು ಚದರು ಮೀಟರ್ 10.00 ಎಂ.ಎಂ ಆರ್.ಸಿ.ಸಿ ಕವರಿಂಗ್ ಸ್ಲಾಬ್ ಗೆ ರೂ. 2337.00 ಹಾಗೂ ಒಂದು ಚದರು ಮೀಟರ್ 250.00 ಎಂ.ಎಂ ಆರ್.ಸಿ.ಸಿ ಕವರಿಂಗ್ ಸ್ಲಾದ ಗೆ ರೂ. 5418.00 ವೆಚ್ಚವಾಗುವುದರಿಂದ ಸದರಿ ದರವನ್ನು ಅನುಮೋದಿಸಲು ಕೋರಿ ಕಡತವನ್ನು ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ ಮಂಡಿಸಿದ.

01

ಸಹಾಯಕ ಅಭಿಯಂತರರು,
ವಾರ್ಡ್ ನಂ.40

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು,
ಪೀಣ್ಯ ಉಪವಿಭಾಗ,
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

02

ಕಾ.ಅ (ಕೆಂಗೇರಿ ವಿಭಾಗ)

ಕಂಡಿಕೆ(01) ರ ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಪೀ) ರವರ ಪರಿಯಂತ ಕಾಂಕ್ರಿಟ್ ಚರಂಡಿಗಳನ್ನು ನಿರ್ಮಿಸುವ ಸಂದರ್ಭದಲ್ಲಿ ಕಾಂಕ್ರಿಟ್ ಚರಂಡಿಗಳಿಗೆ ಮೊದಲೇ ಅಚ್ಚು (Pre Cast) ಅಚ್ಚು ಹಾಕಿದ ಆರ್.ಸಿ.ಸಿ ಪ್ರಿ ಕ್ಯಾಸ್ಟ್ ಕವರಿಂಗ್ ಸ್ಲಾಬ್ ಅಳವಡಿಸಬೇಕಾಗಿರುವುದರಿಂದ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ಬೆಂಗಳೂರು ವೃತ್ತ ರವರ 2018-19 ನೇ ಸಾಲಿನ ದರಪಟ್ಟಿಯಲ್ಲಿ ದರಗಳಿಲ್ಲದ ಕಾರಣ ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆಯ 2018-19 ನೇ ಸಾಲಿನ ಉಕ್ಕಿನ ದರ, ಸಿಮೆಂಟಿಂಗ್ ದರ ಹಾಗೂ ನಿಮೆಂಟ್ ಕಾಂಕ್ರಿಟ್ ಎಂ-20 ದರಗಳನ್ನು ಒಳಗೊಂಡಿರುವ ದರಗಳನ್ನು ಪಡೆದುಕೊಂಡು (ದರ ಪಟ್ಟಿಯನ್ನು ಲಗತ್ತಿಸಿದೆ) ಪ್ರೋಡಿಕರಿನಿ ಒಂದು ಚದರು ಮೀಟರ್ 10.00 ಎಂ.ಎಂ ಆರ್.ಸಿ.ಸಿ ಕವರಿಂಗ್ ಸ್ಲಾದ ಗೆ ರೂ. 2337.00 ಹಾಗೂ ಒಂದು ಚದರ ಮೀಟರ್ 250.00 ಎಂ.ಎಂ ಆರ್.ಸಿ.ಸಿ ಕವರಿಂಗ್ ಸ್ಲಾದ ಗೆ ರೂ. 5418.00 ವೆಚ್ಚವಾಗುವುದರಿಂದ ಸದರಿ ದರವನ್ನು ಅನುಮೋದಿಸಲು ಕೋರಿ ಕಡತವನ್ನು ಮುಂದಿನಿದೆ.

03

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಂಗೇರಿ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

04

ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಪೂರ್ವ)

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ಕೊಡಿಕೆ (1) ಅಂದ (4) ರಲ್ಲಿನ ಪರಿಮಿತಿಯನ್ನು ಮೀರದಂತೆ ಕ್ರಮವಹಿಸಿ ಉಪಗಾಡನೆಗೆ ತೆರಂತ್ರ, ಈ ಕೆಲಸಕ್ಕೆ ಬೇಕಾಗುವ ಸಿಮೆಂಟ್, ಉಕ್ಕು, RCC ಪ್ರೀ-ಕಾಸ್ಟ್ ಸ್ಲಾಬ್ ಅಳವಡಿಕೆ ಮತ್ತು ಸಾಗಿಸುವುದಂತೆ, SR. 18-19 ರಂತೆ. 100.00 ಮೀ.ಮೀ ದಪ್ಪದ ಸ್ಲಾಬ್‌ಗಳಿಗೆ ಪ್ರತಿ ಚ.ಮೀ. ಗೆ 250.00 ಮೀ.ಮೀ ದಪ್ಪದ ಸ್ಲಾಬ್‌ಗಳಿಗೆ ಪ್ರತಿ ಚ.ಮೀ. ಗೆ ತೆರಂತ್ರ.

100.00 M.M thick — 2337.00 / SQ.M

250.00 MM thick — 5418.00 / SQ.M. ಗೆ ಪ್ರತಿ ಚ.ಮೀ.

06) ಪಾವತಿಯು ಕೆಲಸ ಮುಗಿದ ನಂತರ ಮಾತ್ರ.

07) ಸಂಗ್ರಹಣೆ

08) ವಿವರಗಳು)

EE(K)

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... MANGALORE MAHANAGARA PALIKE

Data Rate As Per 2018-19

Rengal Division

Rate Analysis For 10CM Thick Precast Slab

Sl No	Description of Item	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Total Amount in Rs
	...g and laying in position reinforced cement ...e Mix M25 with OPC @ 340kgs, with 20mm and ...aunite metal coarse aggregates @0.70cum and ...0.47cum, with superplasticizer @2% confirming ...Reinforced-2008, machine mixed, concrete laid in ...exceeding 15 cms thick, vibrated for all works in ground ...for roof slabs, staircase, lintels and beams retaining walls, ...walls, walls (any thickness) including attached pilasters, ...ums, lintels, pillars, posts, struts, buttresses, string or facing ...ses, parapets, coping, bed blocks, anchor blocks, plain window ...lls, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6						
	Cum						
	(Page No 14, I.No.4.12 of KPWD S.R 2018-19).						
	Rate Analysis	6045.00					
	Basic Rate in Rs.	362.70					
	Add 6% Area Weigtage	6407.70					768.92
	Total Rate in Rs.	1	2.00	0.60	0.100	0.12	0.12	6407.70	
	Refixing of Precast slabs of drains and pointing in C.M (1:3)						
	Sqm						
	Rate Analysis						
a	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.27., I.No.5.33 of KPWD S.R 2018-19).	105.00					
b	Removing B.S. slab of Drain and stacking. (	99.00					
	Arrived Rate (a-b)	6.00					
	Add 6% Area Weigtage	0.36				1.20			7.63
	Total Rate in Rs.	1	6.36	2.00	0.60	1.20	6.36	
3	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2						
	Sqm						
	(Page No 16,I.No.4.30 of KPWD S.R 2018-19).						
	Rate Analysis	440.00					
	Basic Rate in Rs.	26.40					
	Add 6% Area Weigtage	466.40					
	Total Rate in Rs.	116.60					
	Deduct 25% of Verticle Strating	349.80				1.20			419.76
	Grand Total	1	2.00	0.60		1.20	349.80	
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification						
	Sqm						
	(Page No 16,I.No.4.31 of KPWD S.R 2018-19).						

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	Add 6% Area Weigtage			350.00						
	Total Rate in Rs.			21.00						
	Deduct 25% of Vertical Straling			379.40						
	Grand Total			94.87						
				284.61						
			2	2.00	0.10		0.40			
			2	0.60	0.10		0.12			
							0.52	284.61		148.00
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOE complete as per specifications. Specification No. KHS 4.6.3 TMT bars Fe 500									
	Tonne									
	(Page No 18,I.No.4.46.2 of KPWD S.R 2018-19).									
	Rate Analysis									
	Basic Rate in Rs.			70966.00						
	Add 6% Area Weigtage			4257.96						
	Total Rate in Rs.			75223.96						
	12mm dia@150mm c/c	0.89kg/cum	7	2.00			14.00			
	10mm dia@150mm c/c	0.62kg/cum	15	0.60			9.00			
							0.01			
							0.01			
6	0282 P.V.C pipes unplasticised 32mm						0.02	75223.96		1357.04
	Per Rmtr									
	(Page No XXVI, Sl.No.674 of KPWD S.R 2018-19).									
	Rate Analysis									
	Basic Rate in Rs.			55.08						
	Total Rate in Rs.			55.08						
	pipe for weep hole		8	0.10			0.80			
							0.80	55.08		44.06
7	KSRB15-6 : Providing floating coat of cement to plastering and finishing smooth, including cost of materials, labour, curing complete as per specifications.									
	Sqm									
	(Page No 118,I.No.15.32 of KPWD S.R 2018-19).									
	Rate Analysis									
	Basic Rate in Rs.			19.00						
	Add 6% Area Weigtage			1.14						
	Total Rate in Rs.			20.14						
			2	2.00	0.60		2.40			
			2	2.00		0.10	0.40			
			2	0.60		0.10	0.12			
				Total			2.92	20.14		58.81
										2804.23

Therefore cost for Per Sqm= Total/(2*0.6) $\frac{2804.23}{(2.0*0.6)}$ 2336.86

Say 2337.00 – 100 mm

Asst Engineer
Ward No.40

Asst Executive Engineer
Herohalli Sub-Division

Executive Engineer
Kengeri Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Data Rate As Per 2018-19

Kengeri Division

Data Analysis For 250mm Thick Precast Slab

of	Unit / Rate	Nos	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Total Amount in Rs
	2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47 cum, with superplastisiser @3lts conforming to IS9103-1999 Reaffirmed-2003, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters; columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc.,** including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6							
	Cum							
	(Page No 14, I.No.4.12 of KPWD S.R 2018-19).							
	Rate Analysis		6045.00					
	Basic Rate in Rs.		362.70					
	Add 6% Area Weigtage		6407.70					
	Total Rate in Rs.							
		1	1.80	0.60	0.250	0.27	6407.70	1730.08
						0.27		
2	KSRB 4-6.3 : Providing and removing centering, shuttering, scrutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2							
	Sqm							
	(Page No 16,I.No.4.30 of KPWD S.R 2018-19).							
	Rate Analysis		440.00					
	Basic Rate in Rs.		26.40					
	Add 6% Area Weigtage		466.40					
	Total Rate in Rs.							
		1	1.80	0.60		1.08	466.40	503.71
						1.08		
3	KSRB 4-6.4 : Providing and removing centering, shuttering, scrutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2							
	Sqm							
	(Page No 16,I.No.4.31 of KPWD S.R 2018-19).							
	Rate Analysis		358.00					
	Basic Rate in Rs.		21.48					
	Add 6% Area Weigtage		379.48					
	Total Rate in Rs.							
		2	1.80	0.25		0.90		
		2	0.60	0.25		0.30		
						1.20	379.48	455.38

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	...treatment for RCC work including cutting, bending, hooking, placing in position, lapping and / or wherever required, tying with binding wire and anchoring to the members wherever necessary complete as per design (laps, hooks and ... shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500								
	Tonne								
	(Page No 18,I.No.4.46.2 of KPWD S.R 2018-19).								
	Rate Analysis								
	Basic Rate in Rs.			70966.00					
	Add 6% Area Weightage			4257.96					
	Total Rate in Rs.			75223.96					
	Steel 16mm dia Main rod @150mm c/c	1.58kg/cum	2	5.00	2.20		22.00		
	Lifting Hook 10mm dia - 2 Nos	0.02kg/cum	1	2.00	0.30		0.60		
							22.60		
							0.04		
	Steel 8mm dia - Main rod @150mm c/c	0.40kg/cum	2	13.00	0.60		15.60		
							0.01		
							0.04	75223.96	3165.49
5	Refixing of Precast slabs of drains and pointing in C.M (1:3)								
	Sqm								
	Rate Analysis								
a	Removing & Refixing stone slabs of drains			105.00					
b	Removing B.S. slab of Drain and stacking. (			99.00					
	Arrived Rate (a-b)			6.00					
	Add 6% Area Weightage			0.36					
	Total Rate in Rs.			6.36					
			1	1.80	0.60		1.08		
							1.08	6.36	6.87
				Total					5851.53

Therefore cost for Per Sqm = Total/(1.8*0.6) $\frac{5851.53}{(1.8*0.6)}$ 5418.08

Say 5418.00 - 250 mm.

Asst Engineer
Ward No.40

Asst Executive Engineer
Herohalli Sub-Division

Executive Engineer
Nagara Division

"DATA RATE HERE BY APPROVED"

ಮಾಜಿ ಕಾರ್ಯಪಾಲಕರು.
ಹಾಲಾಡಿಕೆರೆ ಉಪ ವಿಭಾಗ
ಎ.ಪಿ.ಆರ್ ಬಾಗಿಲು ಮಾರಾಟ ಹಾಗೂ ಸೇ...

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